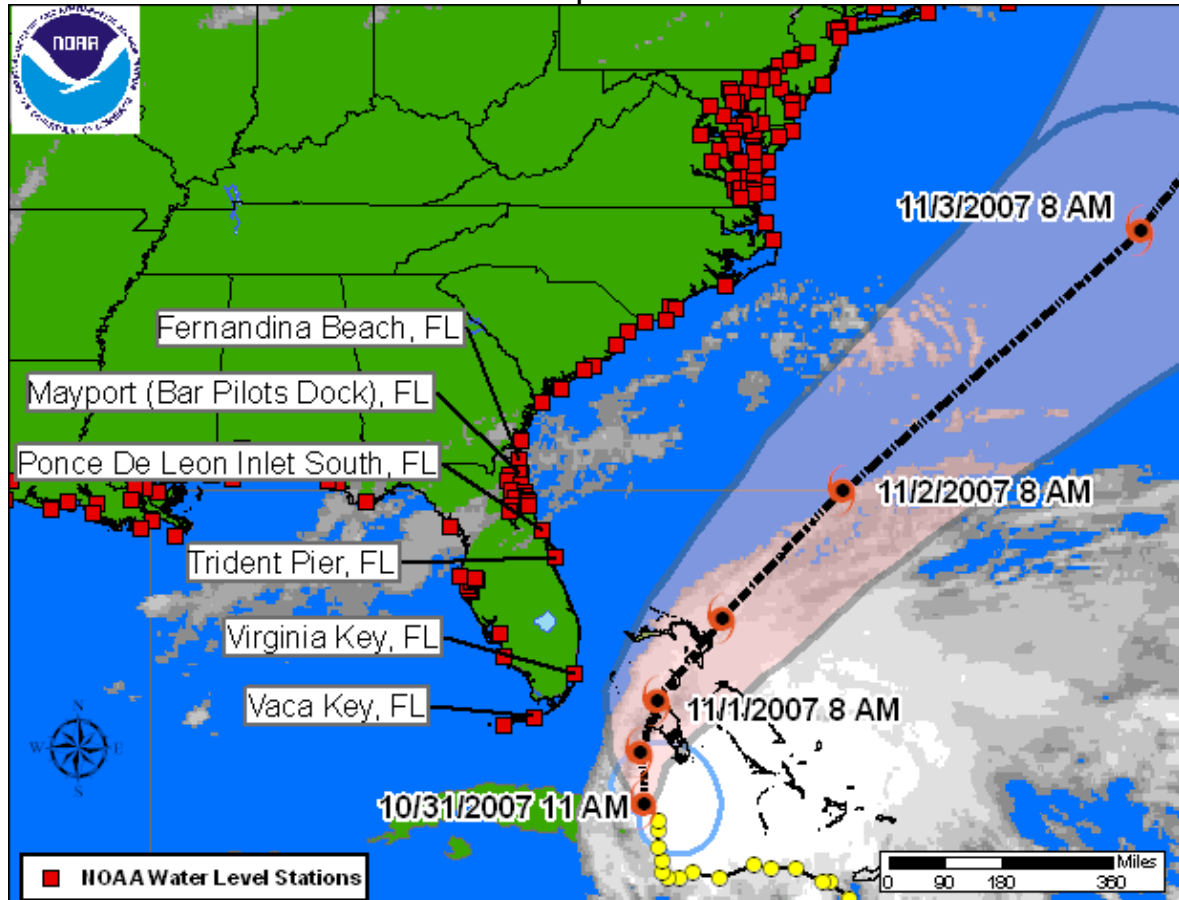




Tropical Storm NOEL QUICKLOOK  
Posted: 12:00 EDT 10/31/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

Water levels along the eastern coast of Florida are elevated due to high winds produced by the interaction of Tropical Storm NOEL with a high pressure system across the southeastern U.S.

Water level and meteorological plots available below are updated automatically. Water level observations on **Mean Lower Low Water** as of 10/31/2007 1100 EDT are:

Vaca Key, FL ~ 0.28 ft (0.1 m) above predicted. Next High tide Thu 11/01/2007 at 05:50 EDT ~ 1.6 ft (0.48 m).

Virginia Key, FL ~ 0.97 ft (0.30 m) above predicted. Next High tide Wed 10/31/2007 at 14:13 EDT ~ 2.60 ft (0.79 m).

Trident Pier, FL ~ 0.97 ft (0.30 m) above predicted. Next High tide Wed 10/31/2007 at 12:47 EDT ~ 4.60 ft (1.40 m).

Ponce De Leon Inlet South, FL ~ 1.51 ft (0.46 m) above predicted. Next High tide Wed 10/31/2007 at 13:34 EDT

~3.40 ft (1.04 m).

Mayport (Bar Pilots Dock), FL ~ 0.64 ft (0.20 m) above predicted. Next High tide Wed 10/31/2007 at 13:46 EDT ~ 5.60 ft (1.71 m).

Fernandina Beach, FL ~ 0.82 ft (0.25 m) above predicted. Next High tide Wed 10/31/2007 at 13:53 EDT ~ 6.90 ft (2.10 m).

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**TROPICAL STORM NOEL ADVISORY NUMBER 16  
1100 AM EDT WED OCT 31 2007**

**...NOEL STRENGTHENS AFTER MOVING OFFSHORE OF THE NORTH COAST OF CUBA...**

**INTERESTS IN SOUTHERN FLORIDA SHOULD CLOSELY MONITOR THE PROGRESS OF NOEL. AS NOEL MOVES NORTHWARD TODAY ITS WIND FIELD WILL APPROACH SOUTHEAST FLORIDA AND THE EXISTING WIND ADVISORY AND GALE WARNING MAY NEED TO BE REPLACED BY A TROPICAL STORM WARNING. IN EITHER CASE WINDS NEAR GALE/TROPICAL STORM STRENGTH ARE LIKELY TO CONTINUE ALONG THE COAST DURING THE NEXT 24 HOURS.**

**AT 1100 AM EDT THE CENTER OF TROPICAL STORM NOEL WAS ABOUT 175 MILES...280 KM...SOUTH-SOUTHWEST OF NASSAU.**

**NOEL IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 8 MPH...13 KM/HR. A TURN TO THE NORTH IS EXPECTED LATER TODAY.**

**MAXIMUM SUSTAINED WINDS HAVE INCREASED AND NOW ARE NEAR 50 MPH...85 KM/HR...WITH HIGHER GUSTS.**

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For additional data and more information on the Storm QuickLook product, please visit  
**[www.tidesandcurrents.noaa.gov](http://www.tidesandcurrents.noaa.gov)**.

**Water Level Analyst:LH**

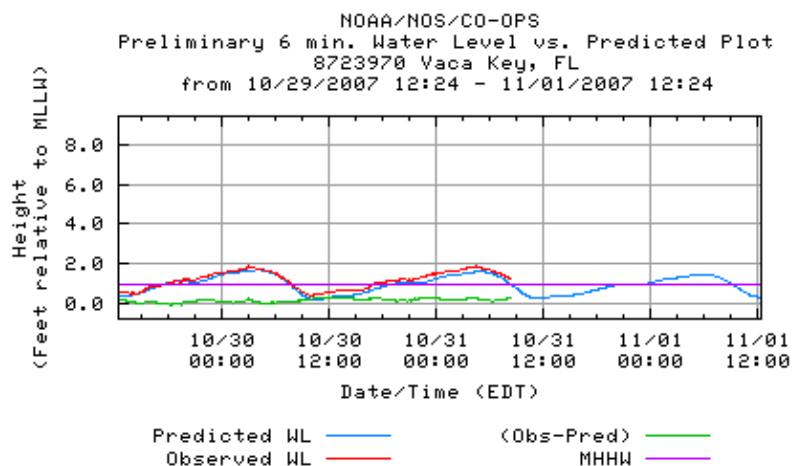
For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Ponce De Leon Inlet South - Water](#)

Tropical Storm NOEL QUICKLOOK, POSTED 12:00 EDT 10/31/2007

Level, Mayport (Bar Pilots Dock) - Water Level, Mayport (Bar Pilots Dock) - Winds, Mayport (Bar Pilots Dock) - Barometric, Fernandina Beach - Water Level, Fernandina Beach - Barometric,

**Vaca Key, FL - Station Map** [Return to List](#)

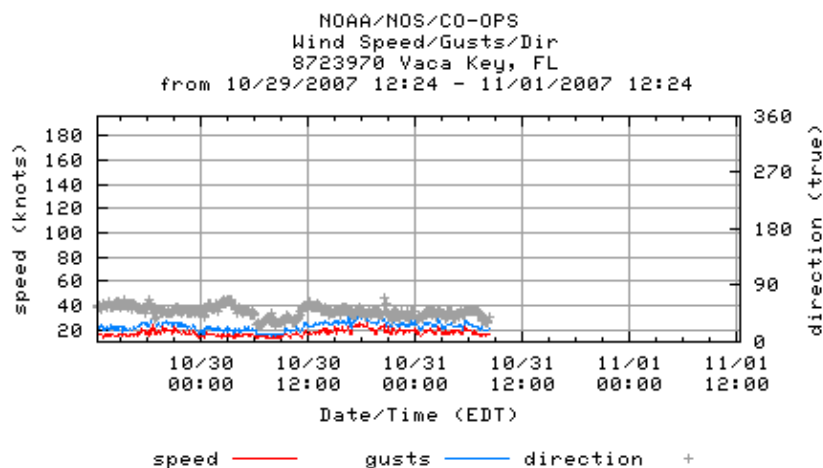


Last Observed Sample: 10/31/2007 08:18 (EDT)

Relative to **MLLW**: **Observed: 1.28 ft. Predicted: 1.00 ft. Residual: 0.28 ft.**

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

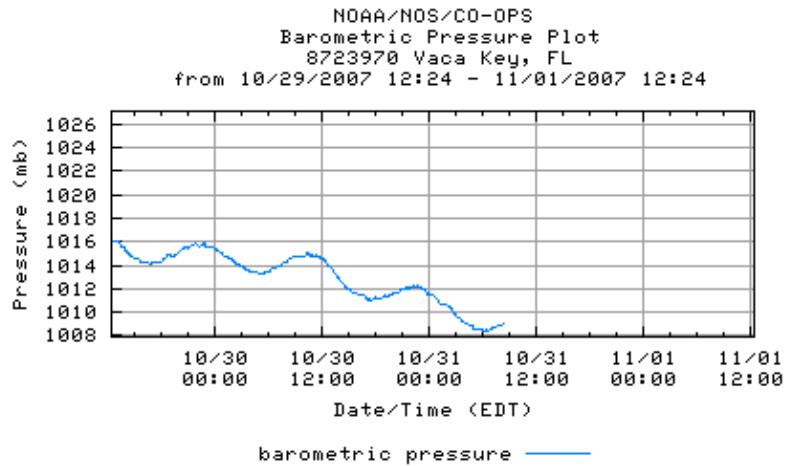
**Vaca Key, FL - Station Map** [Return to List](#)



Last Observed Sample: 10/31/2007 08:18 (EDT)

**Wind Speed: 17 knots Gusts: 21 knots Direction: 039° T**

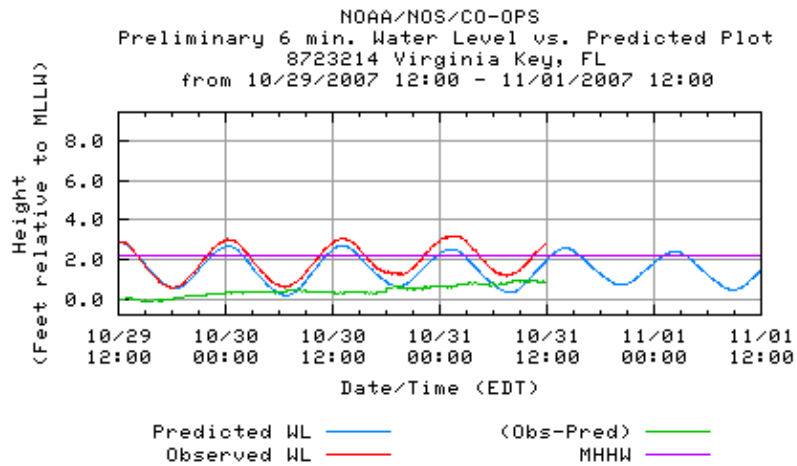
**Vaca Key, FL - Station Map** [Return to List](#)



Last Observed Sample: 10/31/2007 08:18 (EDT)

Barometric Pressure: 1009.1 mb

**Virginia Key, FL - Station Map** [Return to List](#)

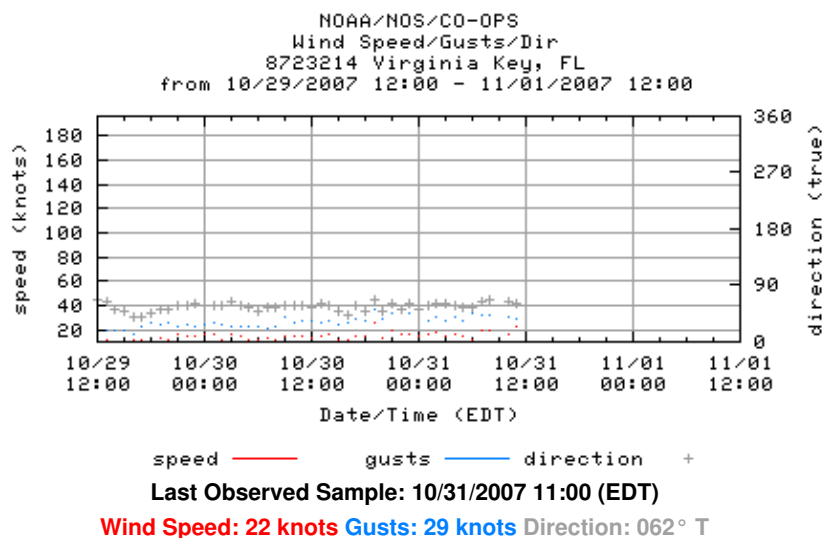


Last Observed Sample: 10/31/2007 11:42 (EDT)

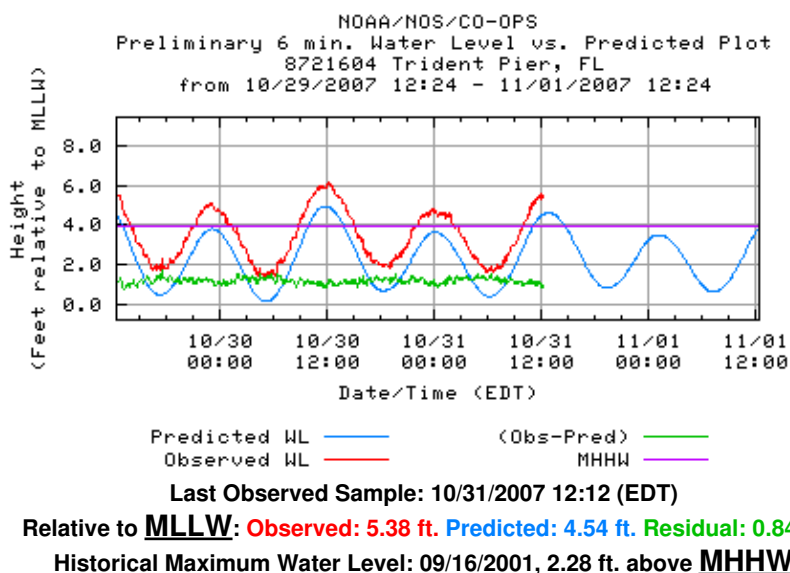
Relative to **MLLW**: Observed: 2.77 ft. Predicted: 1.86 ft. Residual: 0.91 ft.

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

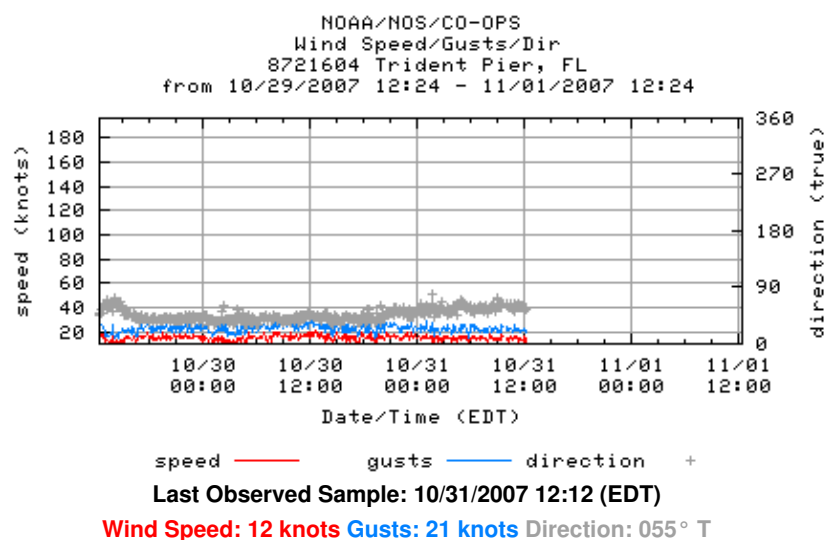
**Virginia Key, FL - Station Map** [Return to List](#)



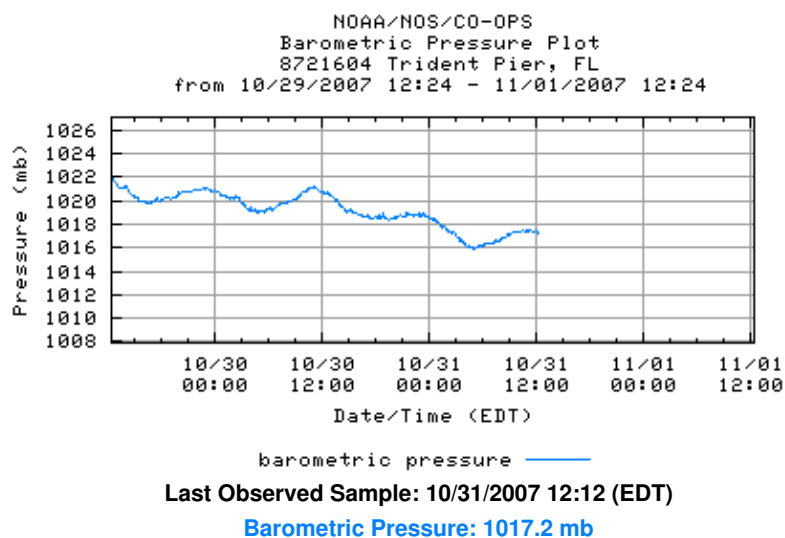
**Trident Pier, FL - Station Map** [Return to List](#)



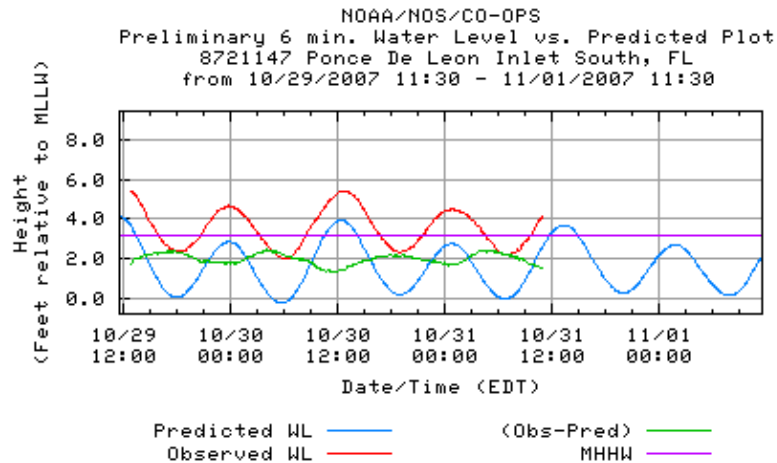
**Trident Pier, FL - Station Map** [Return to List](#)



**Trident Pier, FL - Station Map** [Return to List](#)



**Ponce De Leon Inlet South, FL - Station Map** [Return to List](#)

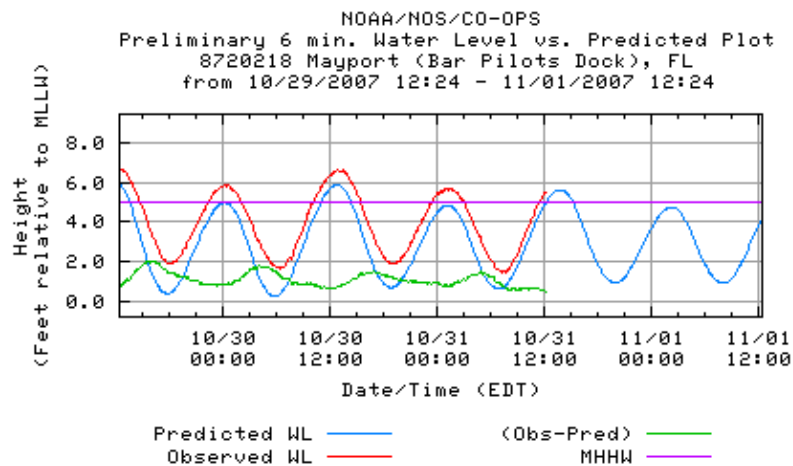


Last Observed Sample: 10/31/2007 10:54 (EDT)

Relative to **MLLW**: **Observed: 4.12 ft.** **Predicted: 2.61 ft.** **Residual: 1.51 ft.**

Historical Maximum Water Level: 11/03/1978, 1.67 ft. above **MHHW**

**Mayport (Bar Pilots Dock), FL - Station Map** [Return to List](#)



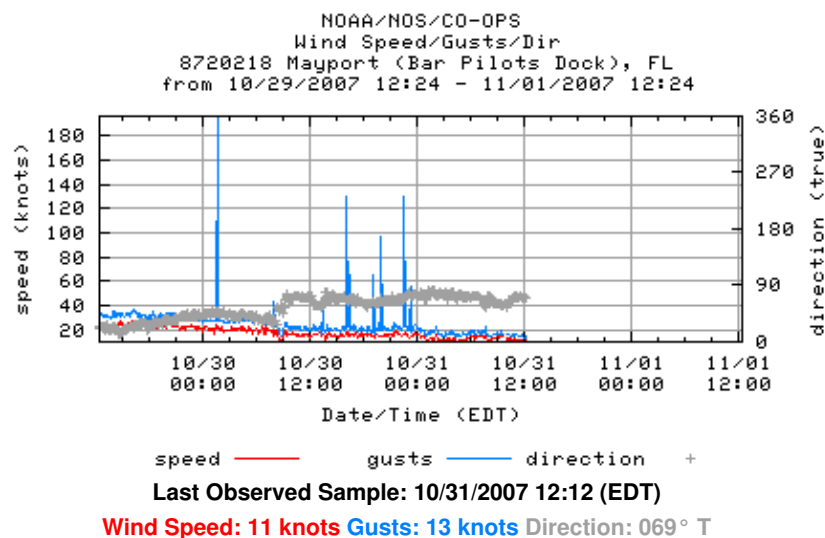
Last Observed Sample: 10/31/2007 12:12 (EDT)

Relative to **MLLW**: **Observed: 5.48 ft.** **Predicted: 5.00 ft.** **Residual: 0.48 ft.**

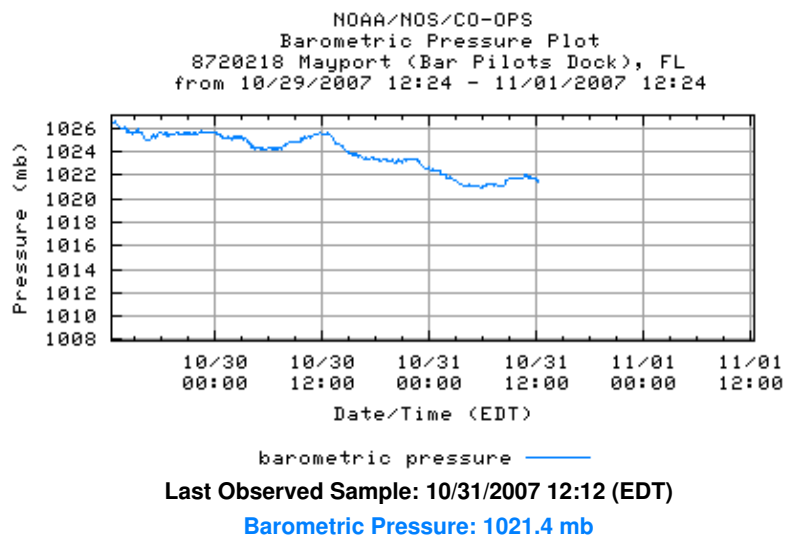
Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**



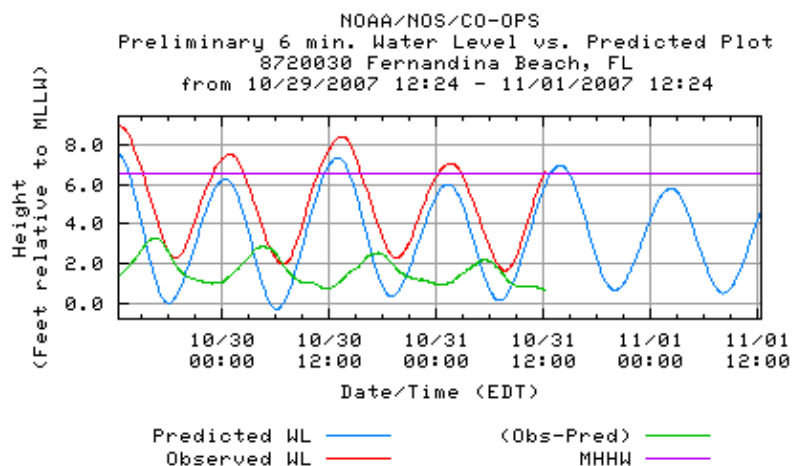
**Mayport (Bar Pilots Dock), FL - Station Map** [Return to List](#)



**Mayport (Bar Pilots Dock), FL - Station Map** [Return to List](#)



**Fernandina Beach, FL - Station Map** [Return to List](#)

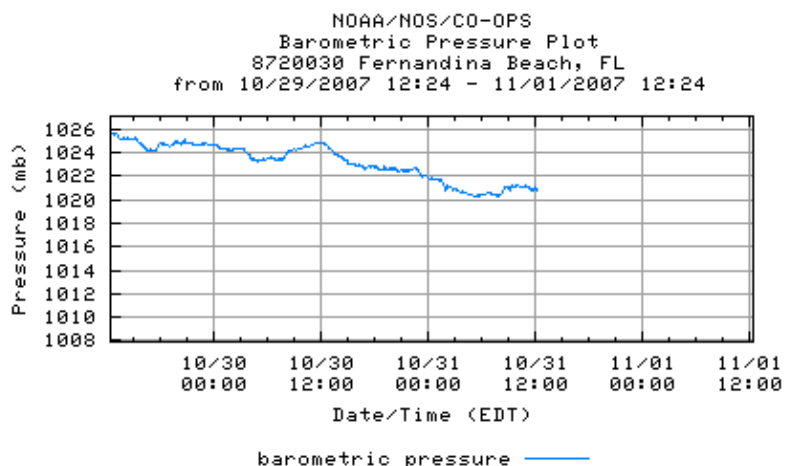


Last Observed Sample: 10/31/2007 12:12 (EDT)

Relative to **MLLW**: **Observed: 6.61 ft. Predicted: 5.96 ft. Residual: 0.65 ft.**

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

**Fernandina Beach, FL - Station Map** [Return to List](#)



Last Observed Sample: 10/31/2007 12:12 (EDT)

**Barometric Pressure: 1020.7 mb**

## Tropical Storm NOEL QUICKLOOK, POSTED 12:00 EDT 10/31/2007

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce